

## CA-NV AWWA Water Loss Technical Assistance Program

### Wave 4 Water Audit Level 1 Validation Document

#### Audit Information:

Utility: Manhattan Beach

PWS ID: 1910083

System Type: Potable

Audit Period: Fiscal Year 2016/17

Utility Representation: Shawn Igoe, Mark Wood

Validation Date: 7/25/2017

Call Time: 9am

Sufficient Supporting Documents Provided: Yes

#### Validation Findings & Confirmation Statement:

##### Key Audit Metrics:

Data Validity Score: 61 Data Validity Band (Level): Band III (51-70)

ILI: 0.62

Real Loss: 7.79 (gal/conn/day)

Apparent Loss: 7.30 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 3.1%

##### Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

#### Validator Information:

Water Audit Validator: Kate Gasner / Kevin Burgers (support)

Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided